



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0453.1US	SERIAL NO. 10/729,332
	APPLICANT Kwak et al.	
	FILING DATE December 5, 2003	GROUP 2685

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN	*	4,542,514	09/1985	Watanabe			
	*	5,214,687	05/1993	Kaensaekoski et al.			
	*	5,440,582	08/1995	Birchler et al.			
	*	5,809,059	09/1998	Souissi et al.			
	*	5,909,465	06/1999	Bottomley et al.			
	*	5,963,583	10/1999	Davidovici et al.			
	*	6,028,894	02/2000	Oishi et al.			
	*	6,034,952	03/2000	Dohi et al.			
		6,108,374	08/2000	Balachandran et al.			
	*	6,118,806	09/2000	Niida et al.			
		6,154,450	11/2000	Wallentin et al.			
		6,201,954	03/2001	Soliman			
		6,229,848	05/2001	Tanaka			
		6,298,242	10/2001	Schiff			
	*	6,426,971	07/2002	Wu et al.			
	*	6,430,237	08/2002	Anvari			
		6,456,652	09/2002	Kim et al.			
	*	6,456,964	09/2002	Kim et al.			
		6,535,733	03/2003	Matusevich et al.			
	*	6,563,460	05/2003	Stilp et al.			
	*	6,587,696	07/2003	Ma et al.			
	*	6,600,933	07/2003	Hiramatsu et al.			
		6,654,613	11/2003	Maeng et al.			
	*	6,675,012	01/2004	Gray			
		6,850,736	02/2005	McCune			
		6,871,066	03/2005	Khullar et al.			

EXAMINER /Simon Nguyen/	DATE CONSIDERED 07/20/2006
-----------------------------------	--------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p>				<p>ATTY. DOCKET NO. I-2-0453.1US</p>		<p>SERIAL NO. 10/729,332</p>	
				<p>APPLICANT Kwak et al.</p>			
				<p>FILING DATE December 5, 2003</p>		<p>GROUP 2685</p>	
SN	*	6,690,944	02/2004	Lee et al.			
	*	6,754,506	06/2004	Chang et al.			
	*	6,810,273	10/2004	Mattila et al.			
	*	6,826,140	11/2004	Brommer et al.			
	*	6,847,809	01/2005	Gurelli et al.			
	*	6,987,738	01/2006	Subramanian et al.			
	*	7,012,978	03/2006	Talwar			
	*	7,039,412	05/2006	Sandhu et al.			
		2002/0018453	02/2002	Yu et al.			
	*	2002/0060995	05/2002	Cervello et al.			
		2002/0102944	08/2002	Haim			
	*	2002/0136287	09/2002	Heath et al.			
		2002/0151290	10/2002	Chen			
		2002/0174242	11/2002	Hindie et al.			
	*	2002/0183028	12/2002	Takahashi et al.			
	*	2002/0172186	11/2002	Larsson			
	*	2002/0188723	12/2002	Choi et al.			
		2003/0045243	03/2003	Rauhala			
		2003/0097623	05/2003	Razavilar et al.			
		2003/0223354	12/2003	Olszewski			
	*	2004/0100898	05/2004	Anim-Appiah et al.			
	*	2004/0198404	10/2004	Attar et al.			
	*	2005/0143117	06/2005	Jalloul et al.			
	*	2005/0152480	07/2005	Chang et al.			

<p>EXAMINER /Simon Nguyen/</p>	<p>DATE CONSIDERED 07/20/2006</p>
------------------------------------	---------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0453.1US		SERIAL NO. 10/729,332	
				APPLICANT Kwak et al.			
				FILING DATE December 5, 2003		GROUP 2685	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN	*	2005/0169301	08/2005	Jain et al.			
SN	*	2005/0069026	03/2005	Vepsalainen et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SN	*	03021845	02/2003	WO				
SN	*	04100468	11/2004	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
SN	*	"Information Technology-Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements – Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications." ANSI/IEEE Std 802.11, 1999 Edition (Reaffirmed 12 June 2003).
	*	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems – LAN/MAN Specific Requirements- Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0, November 2002.
	*	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems – LAN/MAN Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0.1, March 2003.
	*	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems – LAN/MAN Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0.2, May 2003.
	*	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems – LAN/MAN Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0.3, July 2003.
	*	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems – LAN/MAN Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0.4, July 2003.
	*	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems– LAN/MAN Specific Requirements- Part 1: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0.9, November 2003.
<div style="display: flex; justify-content: space-between;"> <div> EXAMINER /Simon Nguyen/ </div> <div> DATE CONSIDERED 07/20/2006 </div> </div>		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. I-2-0453.1US	SERIAL NO. 10/729,332
		APPLICANT Kwak et al.	
		FILING DATE December 5, 2003	GROUP 2685
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SN	.	"Draft Supplement to Standard for Telecommunications and Information Exchange Between Systems – LAN/MAN Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Specification for Radio Resource Measurement." IEEE Std 802.11k/D0.10, November 2003.	
	.	"Draft – Recommended Practice for Multi-Vendor Access Point Interoperability Via An Inter-Access Point Protocol Across Distribution Systems Supporting IEEE 802.11 Operation." IEEE Std 802.11f/D3.1, April 2002.	
	.	Paine, Richard H. et al. "Unapproved Draft – IEEE 802.11 Radio Resource Measurement Issues – IEEE 802.11-02/508r10." October 19, 2002.	
	.	Paine, Richard H. "Unapproved Draft – IEEE 802.11 Radio Resource Measurement Issues – IEEE 802.11-03/134r0." January 16, 2003.	
	.	Moreton, Mike. "Comment Resolution Motions – IEEE 802.11-03/169r1." IEEE Std. 802-11 Submission. March 2003.	
	.	Lampe, Mattias et al. "PER-Prediction for Link Adaptation in OFDM Systems." Technical University of Hamburg-Harburg, 10 September 2002.	
EXAMINER /Simon Nguyen/		DATE CONSIDERED 07/20/2006	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0453.1US	SERIAL NO. 10729,332
	APPLICANT Kwak et al.	
	FILING DATE December 5, 2003	GROUP 2685

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN	5,214,687	05/1993	Kaensaekoski et al.			
	6,108,374	08/2000	Balachandran et al.			
	6,154,450	11/2000	Wallentin et al.			
	6,201,954	03/2001	Soliman			
	6,229,848	05/2001	Tanaka			
	6,298,242	10/2001	Schiff			
	6,456,652	09/2002	Kim et al.			
	6,535,733	03/2003	Matusevich et al.			
	6,654,613	11/2003	Maeng et al.			
	6,850,736	02/2005	McCune			
	6,871,066	03/2005	Khullar et al.			
	2002/0018453	02/2002	Yu et al.			
	2002/0102944	08/2002	Haim			
	2002/0151290	10/2002	Chen			
	2002/0174242	11/2002	Hindie et al.			
✓	2003/0045243	03/2003	Rauhala			
	2003/0097623	05/2003	Razavilar et al.			
SN	2003/0223354	12/2003	Olszewski			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SN	Lampe, Mattias et al. "PER-Prediction for Link Adaptation in OFDM Systems." Technical University of Hamburg-Harburg, 10 September 2002.

EXAMINER /Simon Nguyen/	DATE CONSIDERED 07/07/2006
-----------------------------------	--------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0453.1US	SERIAL NO. 10/729,332
	APPLICANT Kwak et al.	
	FILING DATE December 5, 2003	GROUP 2685

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN		6,108,374	08/2000	Balachandran et al.			
		6,154,450	11/2000	Wallentin et al.			
		6,201,954	03/2001	Soliman			
		6,229,848	05/2001	Tanaka			
		6,298,242	10/2001	Schiff			
		2002/0018453	02/2002	Yu et al.			
		2002/0102944	08/2002	Haim			
		6,456,652	09/2002	Kim et al.			
		2002/0151290	10/2002	Chen			
		2002/0174242	11/2002	Hindie et al.			
		6,535,733	03/2003	Matusevich et al.			
		2003/0045243	03/2003	Rauhala			
		2003/0097623	05/2003	Razavilar et al.			
		6,654,613	11/2003	Maeng et al.			
		2003/0223354	12/2003	Olszewski			
		6,850,736	02/2005	McCune			
SN		6,871,066	03/2005	Khullar et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER /Simon Nguyen/	DATE CONSIDERED 07/07/2006
-----------------------------------	--------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.